

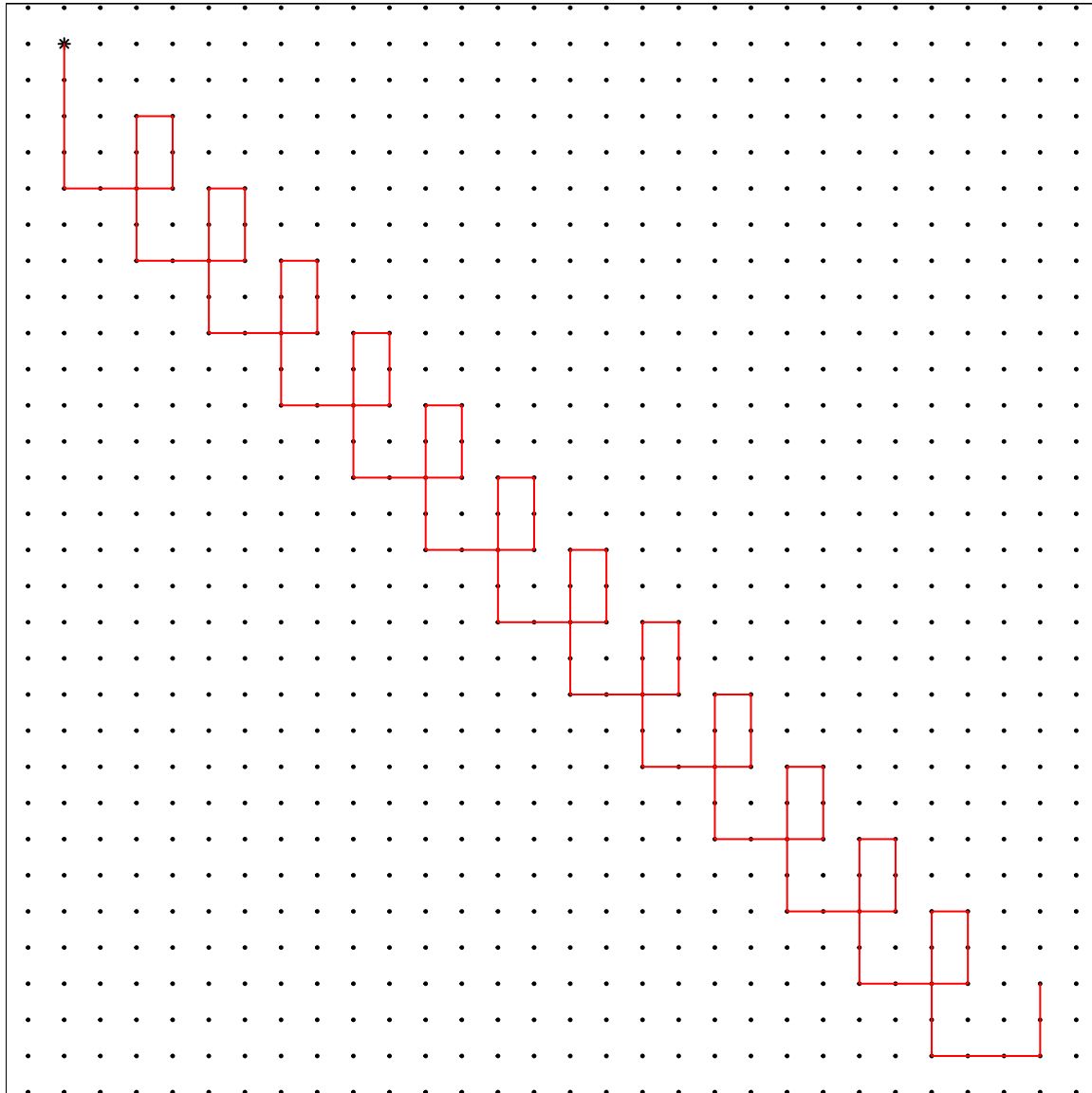
Name: _____

Date: _____

Grid Countdown Spirals

Follow the teacher! Use a ruler!

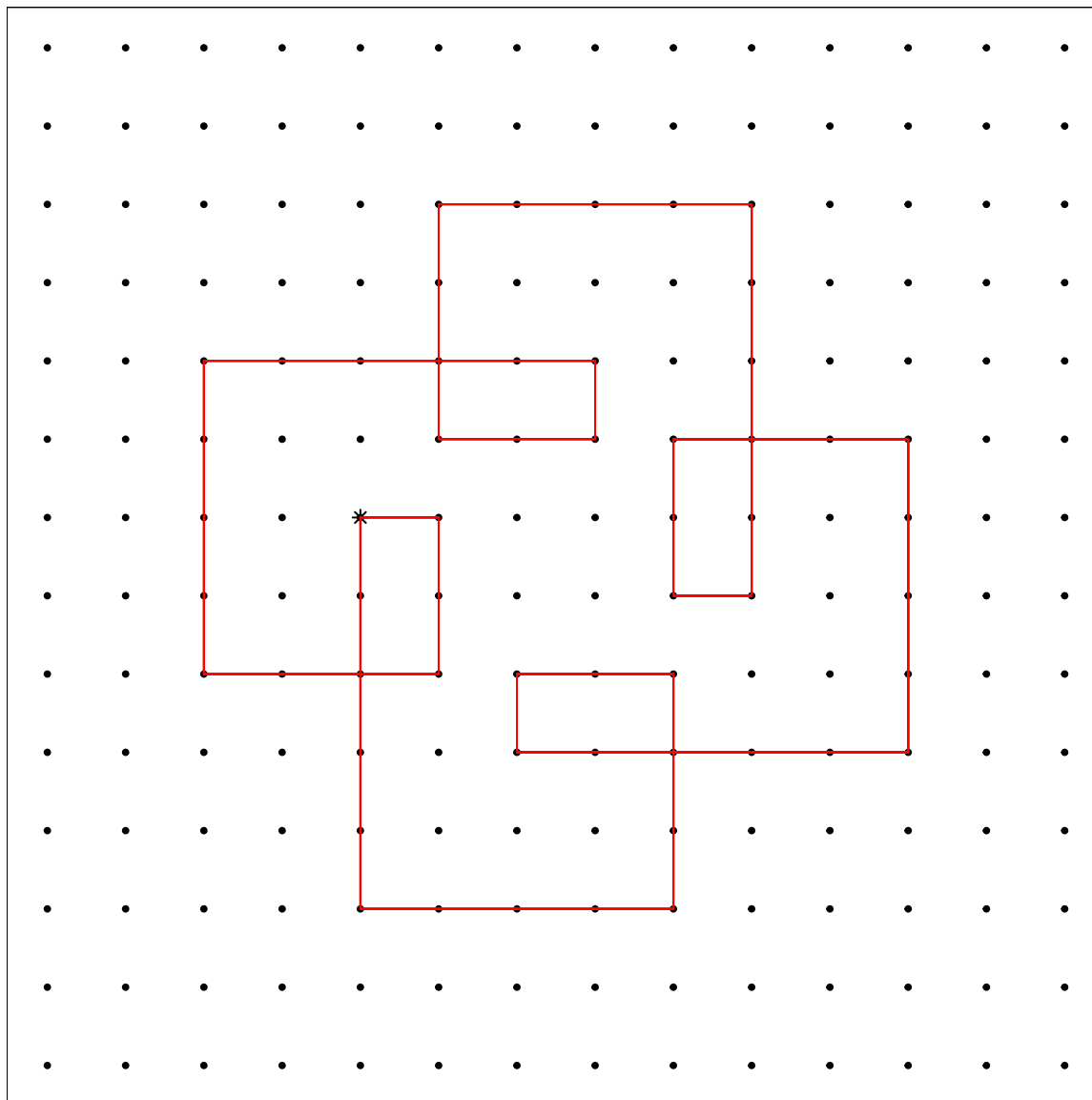
1. Start at the star.
2. Go down 4 units.
3. Go right 3 units.
4. Go up 2 units.
5. Go left 1 unit.
6. Repeat steps 2 through 5... Notice a 90° turn counterclockwise after each segment.



- Describe the result:

This time, count down from 5. Remember... Down, Right, Up, Left!

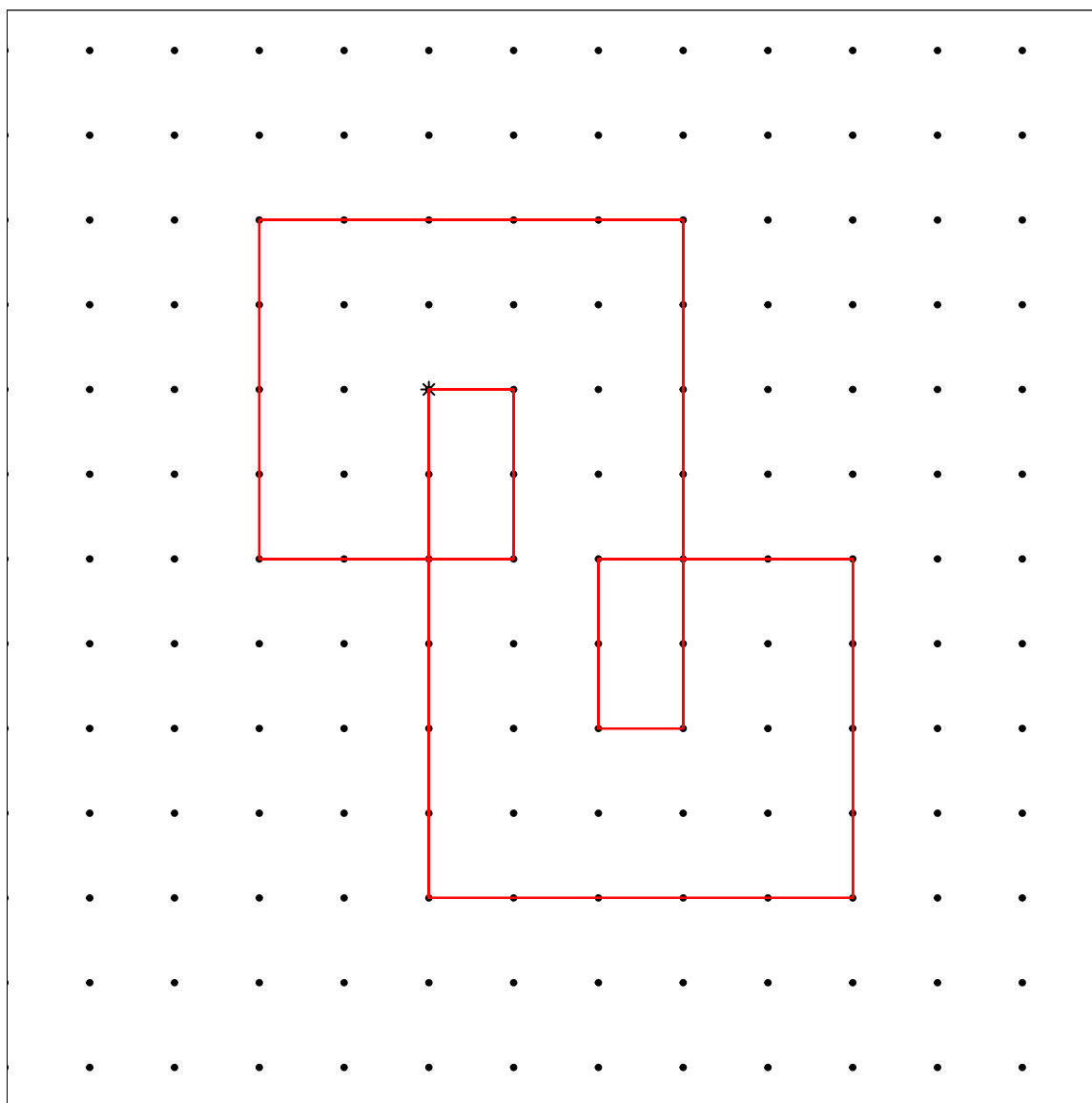
1. Start at the star, heading down.
2. Move 5 and then turn 90° counterclockwise.
3. Move 4 and then turn 90° counterclockwise.
4. Move 3 and then turn 90° counterclockwise.
5. Move 2 and then turn 90° counterclockwise.
6. Move 1 and then turn 90° counterclockwise.
7. Repeat steps 2 through 6.



- Describe the result:

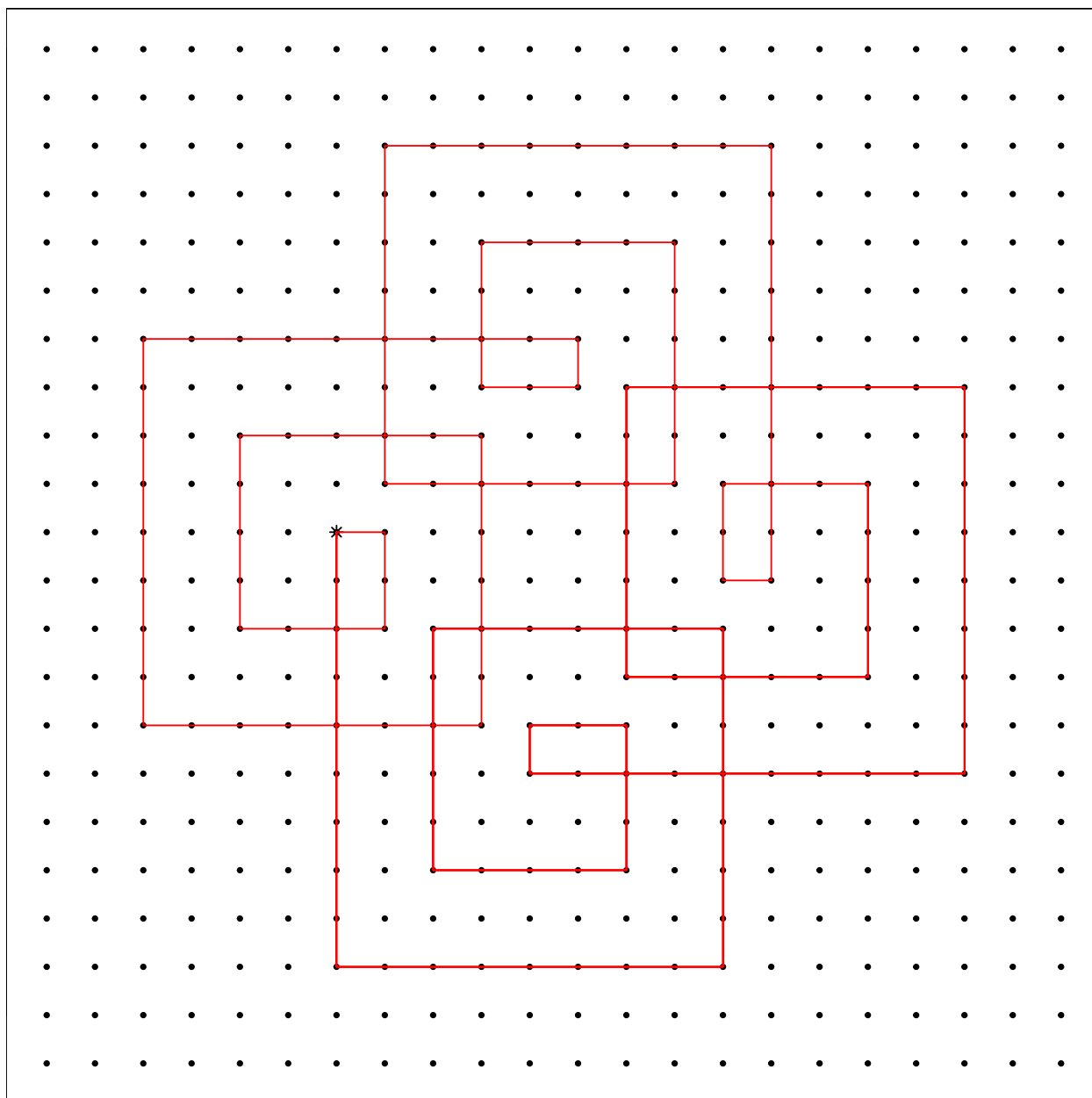
This time, count down from 6. Remember... Down, Right, Up, Left!

1. Start at the star, heading down.
2. Move 6 and then turn 90° counterclockwise.
3. Move 5 and then turn 90° counterclockwise.
4. Move 4 and then turn 90° counterclockwise.
5. Move 3 and then turn 90° counterclockwise.
6. Move 2 and then turn 90° counterclockwise.
7. Move 1 and then turn 90° counterclockwise.
8. Repeat steps 2 through 7.



- Describe the result:

This time, count down from 9. (And still start at star heading down.) Remember... Down, Right, Up, Left!



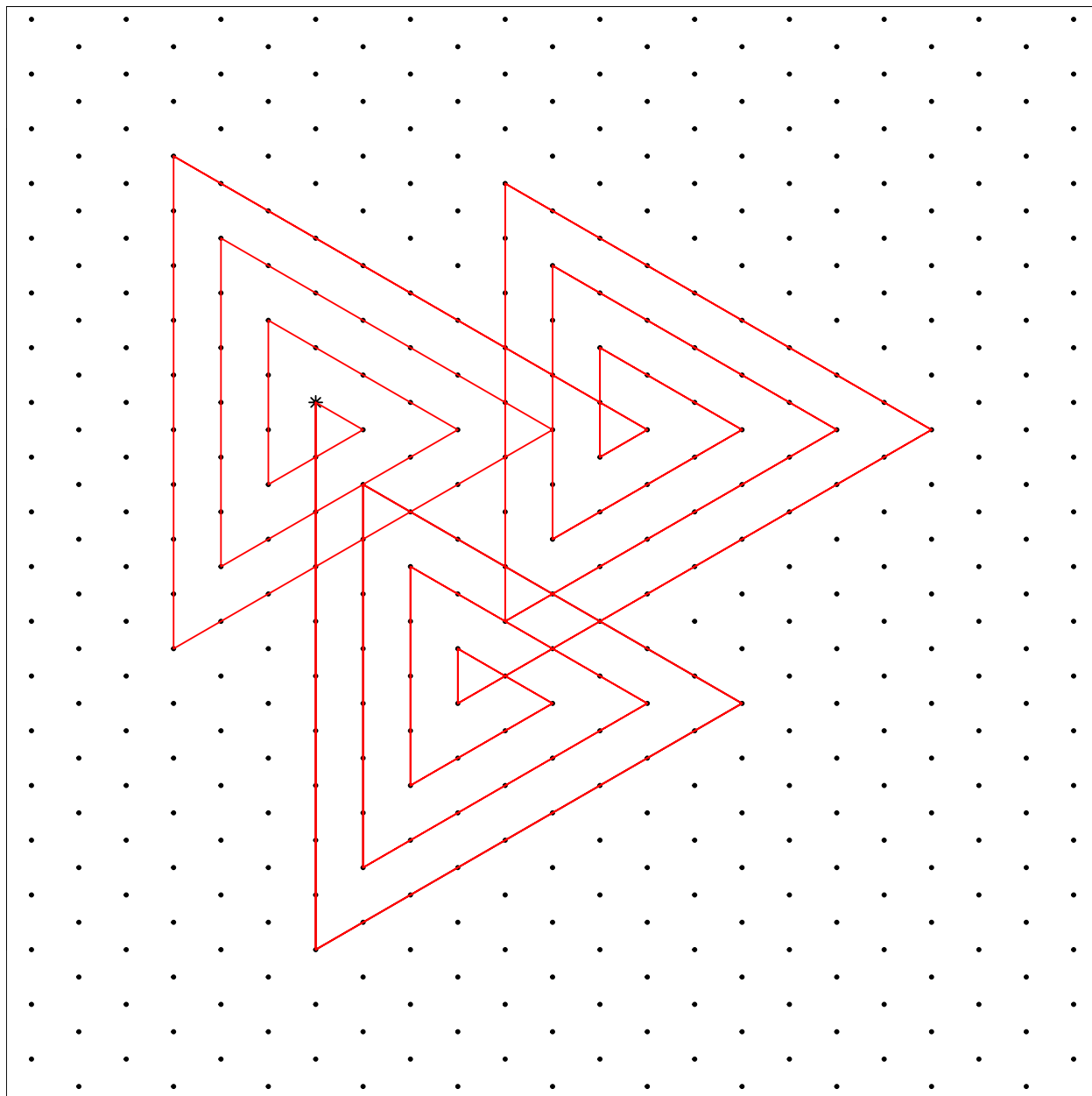
- Describe the result:

A 20x20 grid of black dots. A red path is drawn, starting at the dot at (14, 14) and ending at the dot at (14, 14). The path is a single continuous line that forms a complex shape, including a large square on the left, a smaller square in the middle, and a horizontal line extending to the right. An asterisk is placed at the dot at (10, 10).

- 5

This time, turn 120° counterclockwise after each segment. And count down from 10. (And still start at star heading down.) This time I've started the pattern for you.

- The directions are:
 1. Down (South)
 2. Up-Right (Northeast)
 3. Up-Left (Northwest)

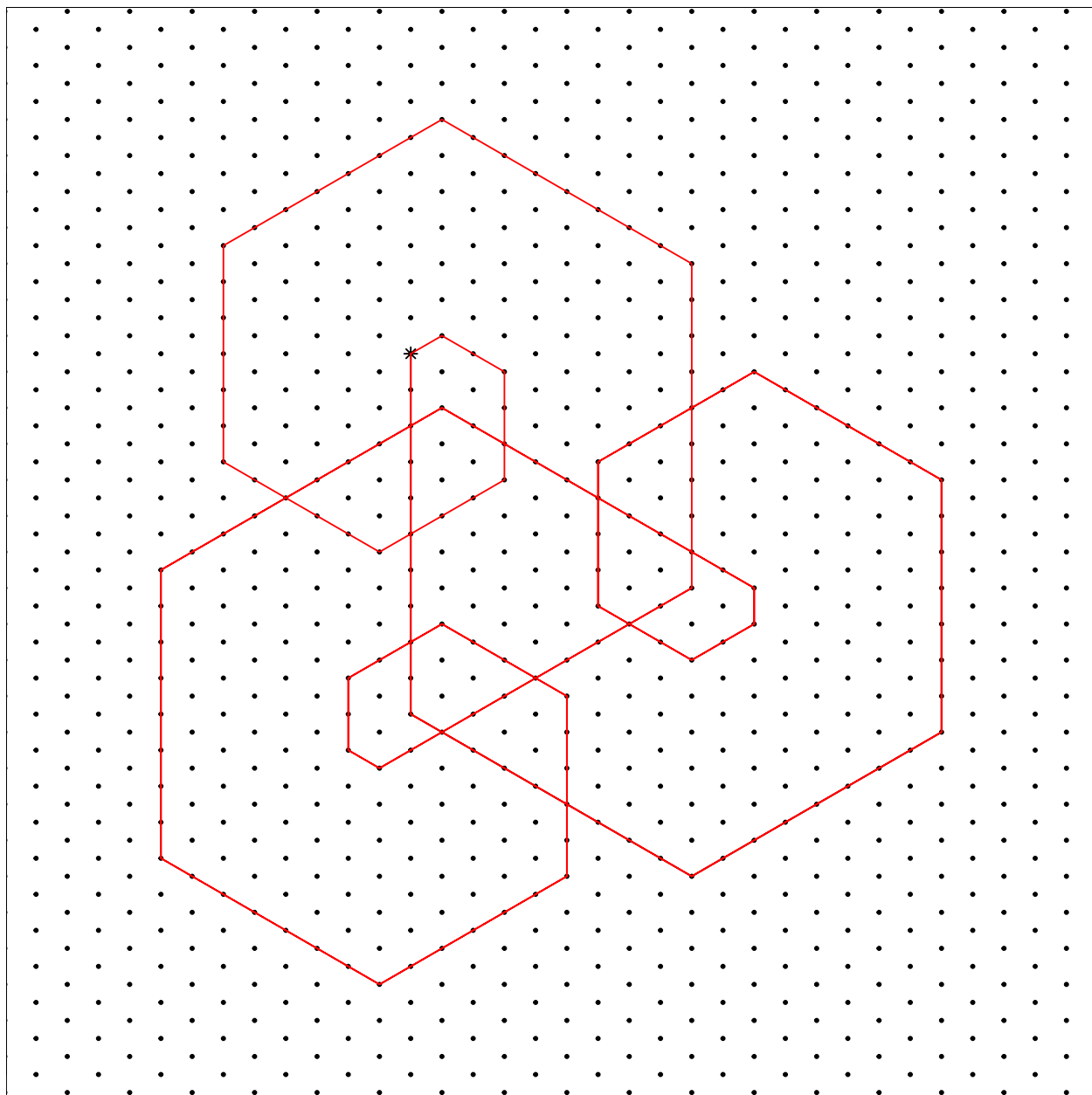


- Describe the result:

This time, turn 60° counterclockwise after each segment. And count down from 10. (And still start at star heading down.) This time I've started the pattern for you.

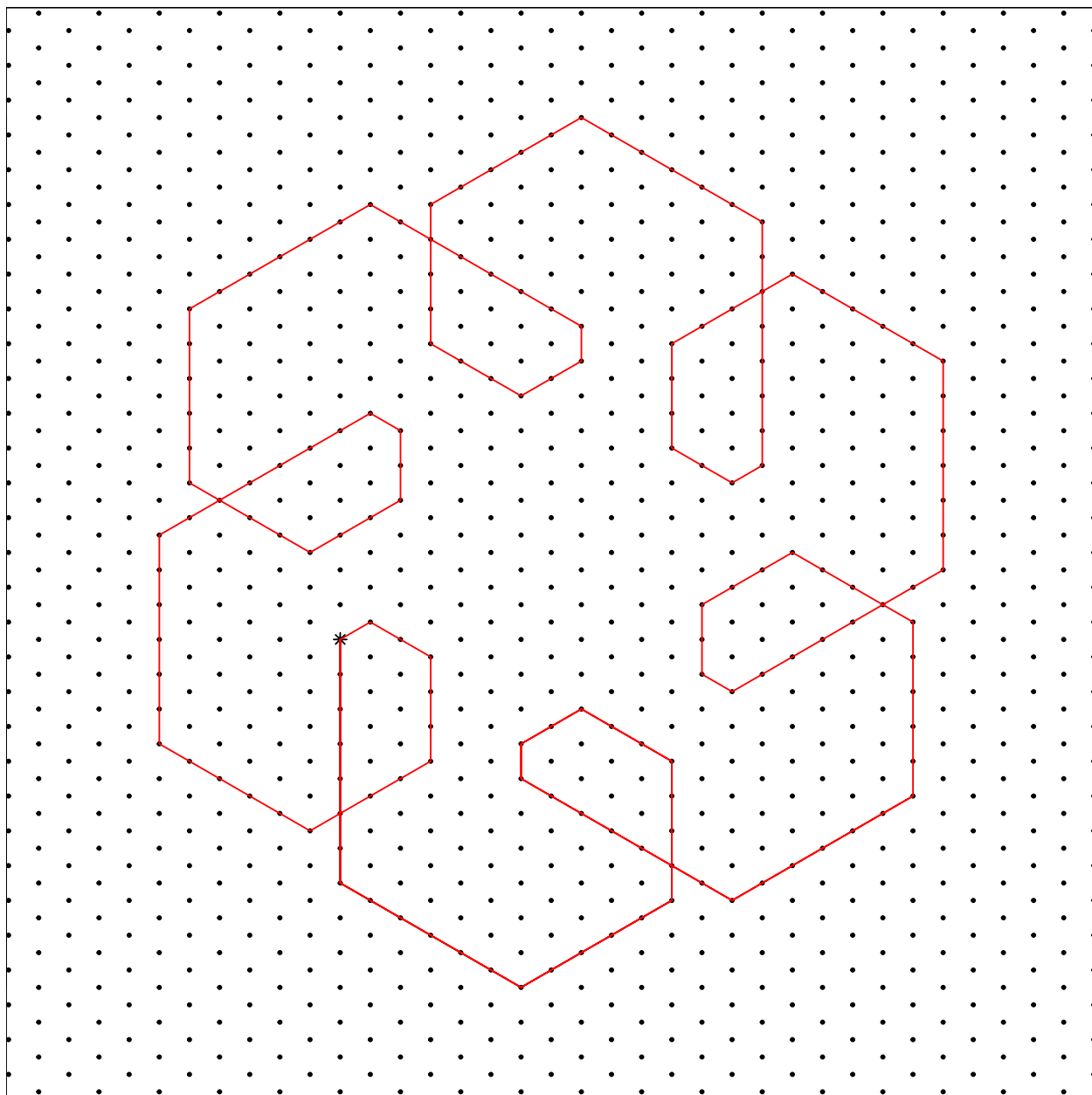
- The directions are: Down, Down-right, Up-right, Up, Up-left, Down-left...

1. S
2. SE
3. NE
4. N
5. NW
6. SW



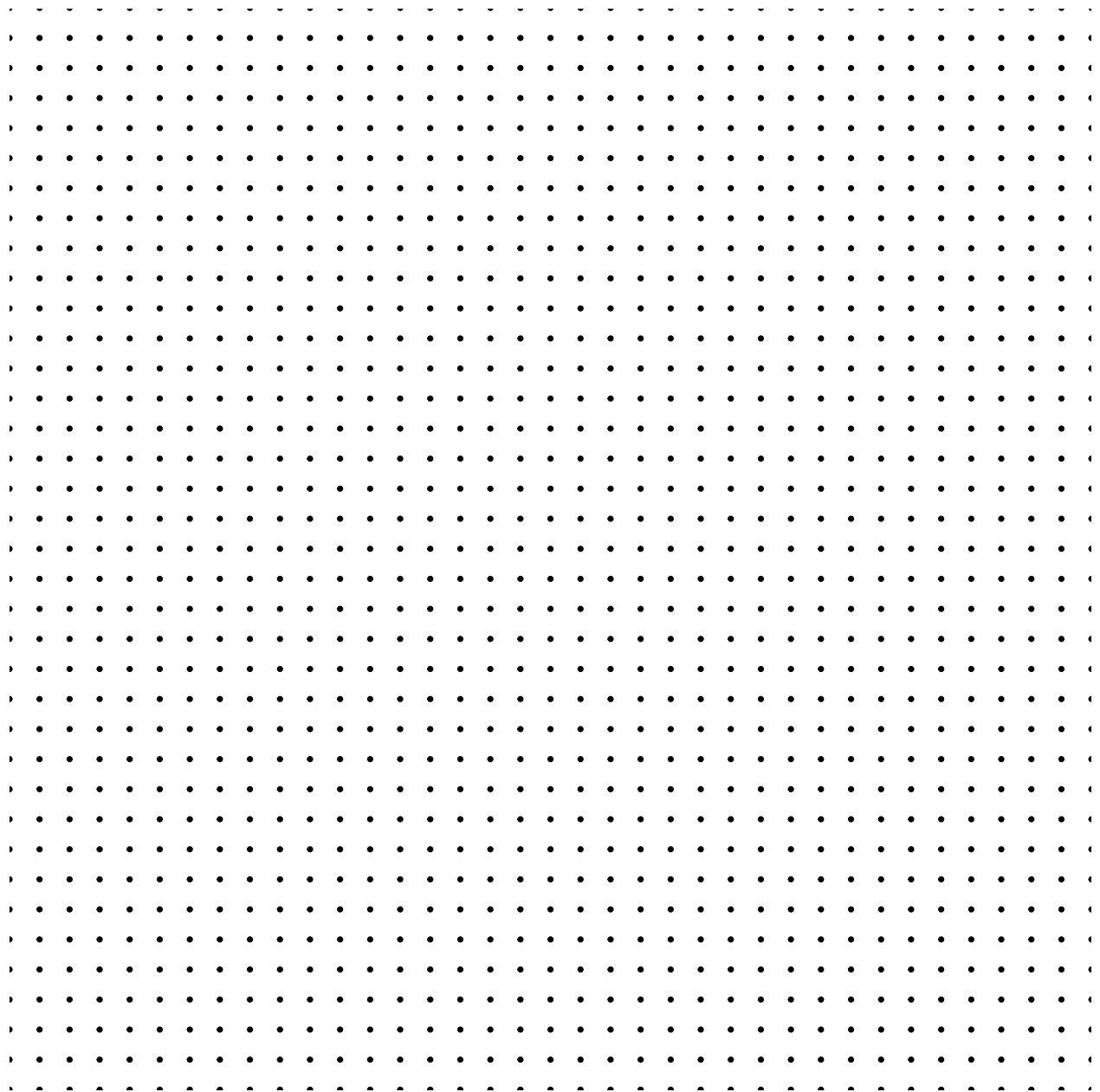
- Describe the result:

This time, turn 60° counterclockwise after each segment. And count down from 7. (And still start at star heading down.) This time I've started the pattern for you.



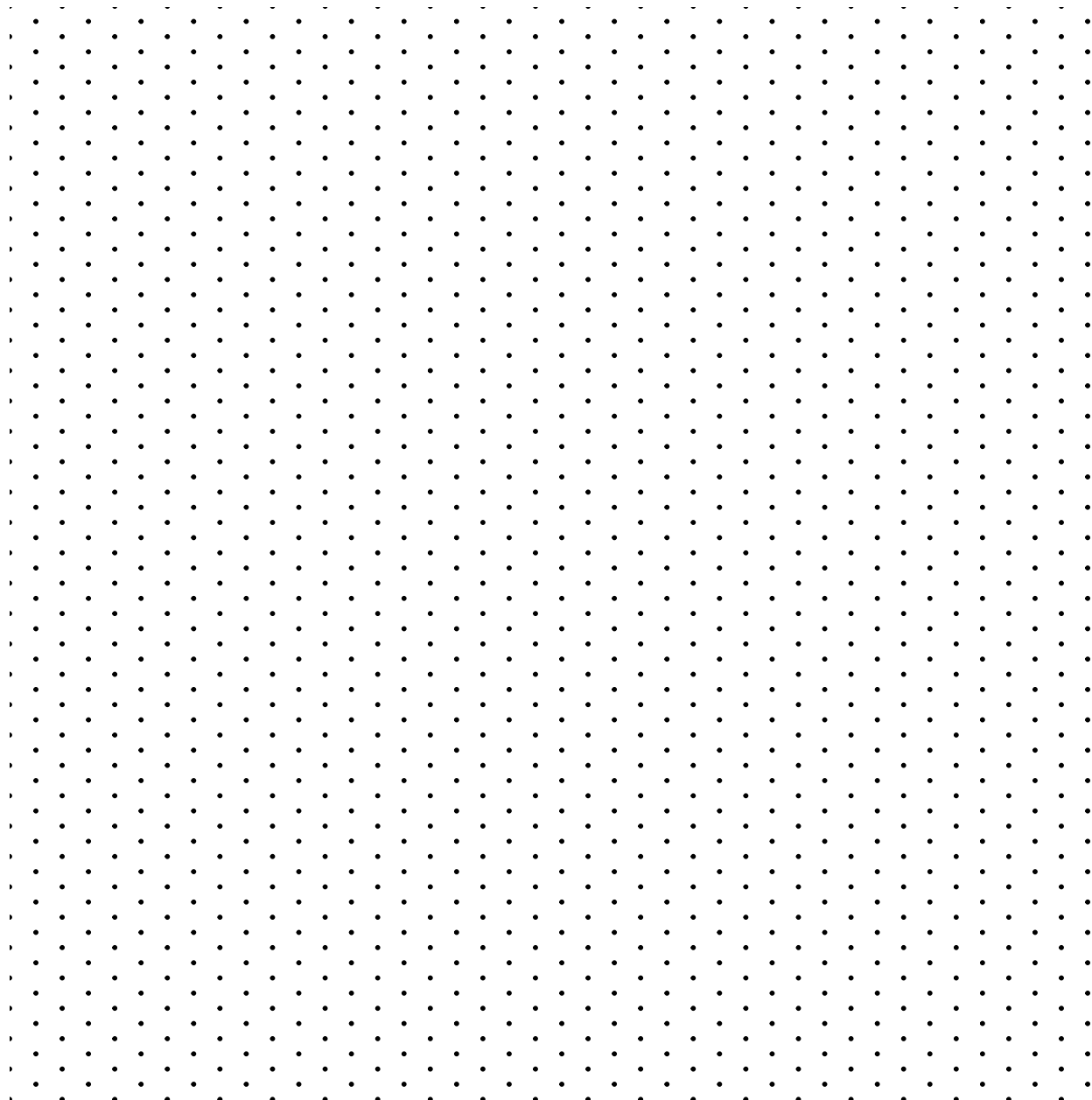
- Describe the result:

Make up your own algorithm. Get creative!



Explain your algorithm:

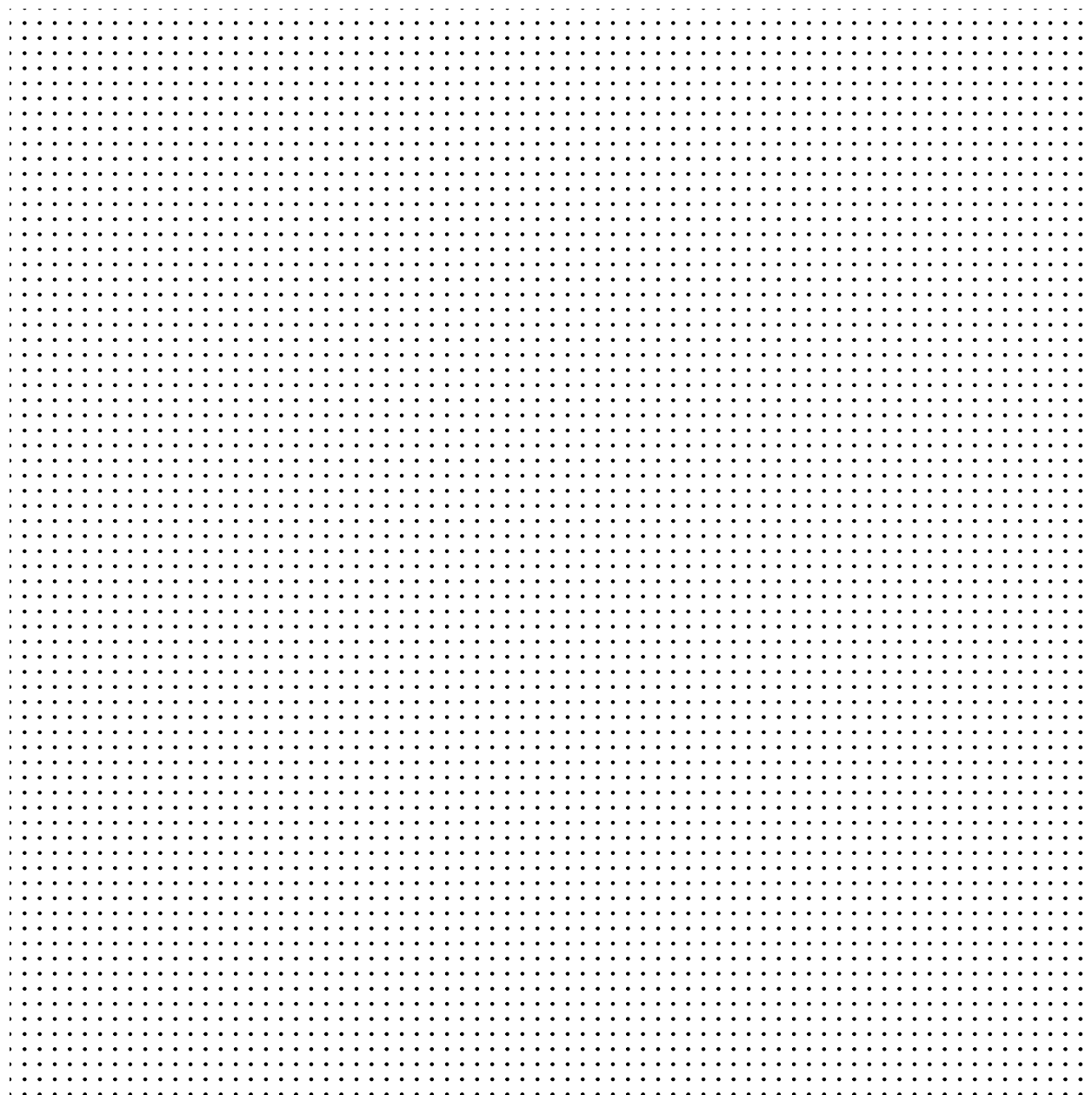
Make up your own algorithm. Get creative!



Explain your algorithm:

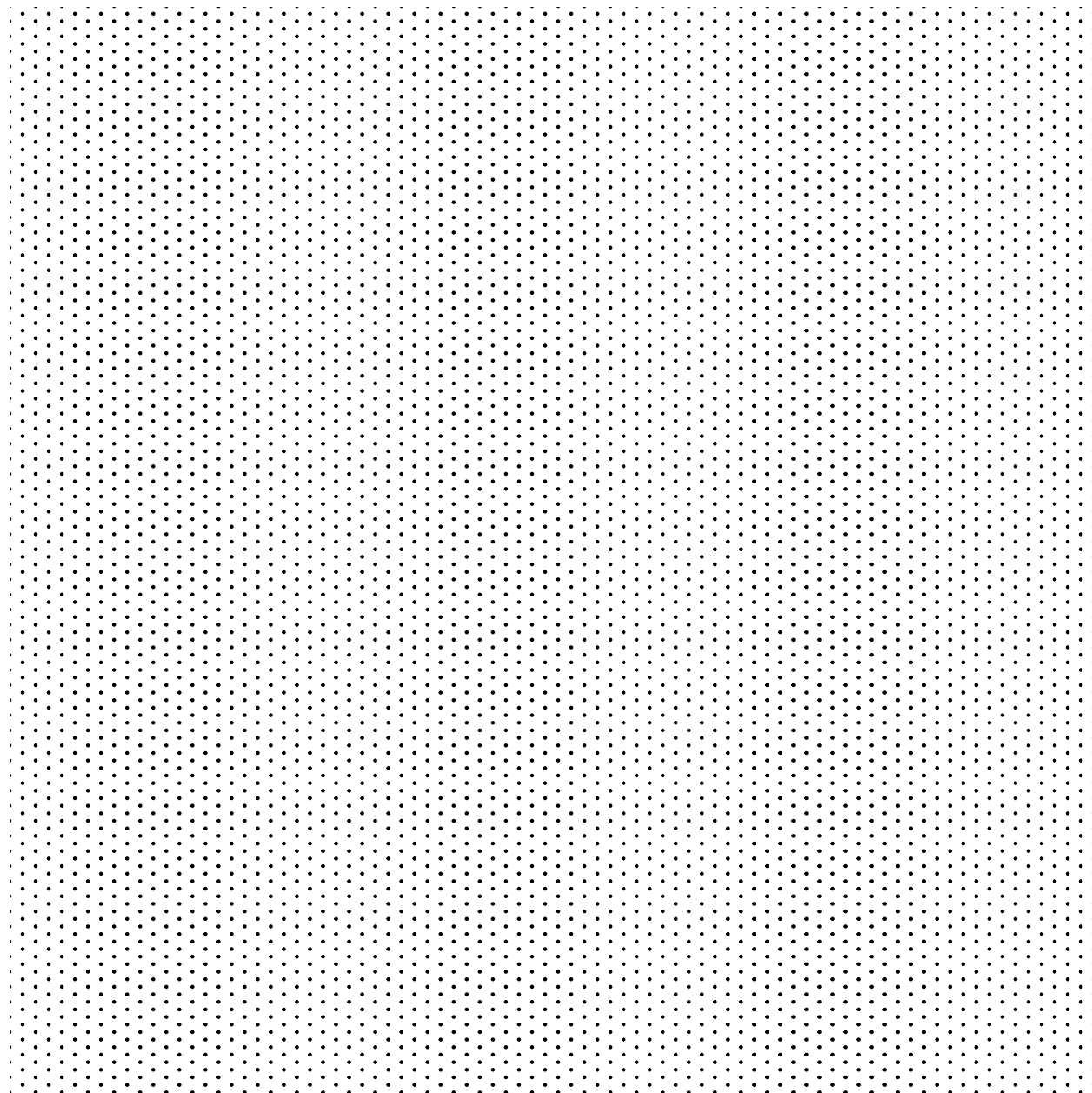
- Describe the result:

Make up your own algorithm. Get creative!



Explain your algorithm:

Make up your own algorithm. Get creative!



Explain your algorithm: